



#4

## SEQUENCE LISTING

&lt;110&gt; MERKULOV, Gennady V. et al

<120> ISOLATED HUMAN TRANSPORTER PROTEINS,  
NUCLEIC ACID MOLECULES ENCODING HUMAN TRANSPORTER PROTEINS,  
AND USES THEREOF

&lt;130&gt; CL001057-CIP

&lt;140&gt; 09/768,781

&lt;141&gt; 2001-01-25

&lt;160&gt; 7

&lt;170&gt; FastSEQ for Windows Version 4.0

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&lt;211&gt; 1350

&lt;212&gt; DNA

&lt;213&gt; Human

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Ala Ser Ala Leu Tyr Met Val Arg Ile Tyr Arg Lys Asn Ser Glu Thr
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Tyr Arg Met Thr Tyr Thr Phe Ser Phe Phe Met Phe Ser Ser Ile Met
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Val Gln Leu Thr Leu Ile Phe Val His Arg Asp Leu Ala Lys Asp Lys
85     90     95
Pro Leu Ser Leu Phe Met His Leu Ile Leu Leu Gly Pro Val Ile Arg
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Cys Leu Glu Ala Met Ile Lys Tyr Leu Thr Leu Trp Lys Lys Glu Glu
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Gln Glu Glu Pro Tyr Val Ser Leu Thr Arg Lys Lys Met Leu Ile Asp
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<210> 6

<211> 405

<212> PRT

<213> Mus musculus

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Met Trp Gln Val Leu Thr Leu Leu Phe Ser Leu Met Pro Cys Ala Leu
 35          40          45
Val Gln Phe Thr Leu Leu Phe Val His Arg Asp Leu Ser Arg Asp Arg
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Pro Leu Ala Leu Leu Met His Leu Leu Gln Leu Gly Pro Leu Tyr Arg
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Cys Cys Glu Val Phe Cys Ile Tyr Cys Gln Ser Asp Gln Asn Glu Glu
 85          90          95
Pro Tyr Val Ser Ile Thr Lys Lys Arg Gln Met Pro Lys Asp Gly Leu
100          105          110
Ser Glu Glu Val Glu Lys Glu Val Gly Gln Ala Glu Gly Lys Leu Ile
115          120          125
Thr His Arg Ser Ala Phe Ser Arg Ala Ser Val Ile Gln Ala Phe Leu
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Gly Ser Ala Pro Gln Leu Thr Leu Gln Leu Tyr Ile Thr Val Leu Glu
145          150          155          160
Gln Asn Ile Thr Thr Gly Arg Cys Phe Ile Met Thr Leu Ser Leu Leu
165          170          175
Ser Ile Val Tyr Gly Ala Leu Arg Cys Asn Ile Leu Ala Ile Lys Ile
180          185          190
Lys Tyr Asp Glu Tyr Glu Val Lys Val Lys Pro Leu Ala Tyr Val Cys
195          200          205
Ile Phe Leu Trp Arg Ser Phe Glu Ile Ala Thr Arg Val Ile Val Leu
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Val Leu Phe Thr Ser Val Leu Lys Ile Trp Val Val Ala Val Ile Leu
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245          250          255
Ser Gly Ser Pro Phe Pro Glu Asn Ile Glu Lys Ala Leu Ser Arg Val
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Gly Thr Thr Ile Val Leu Cys Phe Leu Thr Leu Leu Tyr Ala Gly Ile
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Asn Met Phe Cys Trp Ser Ala Val Gln Leu Lys Ile Asp Asn Pro Glu
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Leu Ile Ser Lys Ser Gln Asn Trp Tyr Arg Leu Leu Ile Tyr Tyr Met
305          310          315          320
Thr Arg Phe Ile Glu Asn Ser Val Leu Leu Leu Leu Trp Tyr Phe Phe

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Ser	Phe	Arg	Ala	Leu	Leu	Arg	Cys	Ala	Cys	Trp	Ser	Ser	Leu	Arg	Arg		
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<211> 449

<212> PRT

<213> Mus Musculus

<400> 7

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Gln	Glu	Glu	Pro	Tyr	Val	Ser	Leu	Thr	Arg	Lys	Lys	Met	Leu	Ile	Asp		
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Gly	Ile	Asn	Phe	Ser	Cys	Trp	Ser	Ala	Leu	Gln	Leu	Arg	Leu	Ala	Asp
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Phe	Phe	Gln	Tyr	Leu	His	Pro	Leu	Arg	Ser	Leu	Phe	Thr	His	Asn	Val
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Val															